

February 28, 2005

NATIONAL ENGINEERING MANUAL (SECOND ED.)
210-V-AMENDMENT AL61**SUBJECT: ENG-SAFETY****Purpose:** To update the following subchapters and parts:

Subchapter A - General

Part 501 - Authorizations

Subpart A - Review and Approval

Part 503 - Safety

Subpart A - Engineering Activities Affecting Utilities

Subpart D - Dam Safety

Part 504 - Special Investigations, Studies, and Reports

Subpart A - Problems and Deficiencies

Part 506 - Technical Materials

Subchapter B - Management

Part 512 - Construction

Subpart C - Evaluation of Construction Materials

Part 523 - Irrigation

Subpart C - Dams

Subchapter D - Technology

Part 537 - Environmental Engineering

Subchapter E - Support Operations

Part 542 - Specifications

Subpart C - Exhibit

Part 545 - Engineering Quality Assurance

Subpart A - Development and Distribution

Effective Date: This supplement is effective upon receipt.**Explanation of Supplement.****Subchapter A - General****Part 501** - Authorizations

Subpart A - Review and Approval

AL501.01(b)(3) - Scope. Engineering job approval authority for district employees.
Responsibilities. NOTE: concerning federal tort laws.**Part 503** - Safety

Subpart A - Engineering Activities Affecting Utilities

AL503.04(a) - Deleted list of Line Locator utilities. Inserted hyperlink to Alabama
One Call Membership List for the most up-to-date list.

Subpart D - Dam Safety

- AL503.59(b)(1)(ii) - Last paragraph revises instruction on submitting AL-ENG-24. Exhibit 1. 5-year Inspection Schedule updated.
- Exhibit 2. AL-ENG-23 updated.

Part 504 - Special Investigations, Studies, and Reports

Subpart A - Problems and Deficiencies

- AL504.02(a) - Reporting Problems and Deficiencies, and Failures - Second paragraph, added digital photographs to instructions on documenting a structure deficiency.
- AL504.14 - Procedure - Second paragraph deleted black and white pictures and added "digital pictures" of flow damages.

Part 506 - Technical Materials

- AL506.05(f)(5) - Distribution of engineering technical materials within NRCS - Deleted Alabama Engineering Computer Software Handbook. Handbook has been cancelled.
- AL506.05(g) - Added Soil techs and Soil Cons to distribution of Engineering Field Handbook which was previously inadvertently omitted. Also deleted Alabama Engineering Computer Software Handbook for Field Offices due to the fact that the Handbook has been cancelled.
- AL506.05(i) - Added section on engineering computer software programs.
- AL506.05(i)(3) - Added list of approved engineering programs and contact persons for the programs developed by Alabama NRCS personnel.

Subchapter B - Management

Part 512 - Construction

Subpart C - Evaluation of Construction Materials

- AL512.21(b) - Evaluation Procedures - Deleted Alabama Engineering Field Design Manual.
- AL512.32(a)(2)(ii) - Quality assurance procedures - Instructions on charging overtime.
- AL512.34(a) - Corrected spelling of "district".
- AL512.40(a) - Added GPS unit to Minimum Equipment Needs for Field Offices. Deleted Plugger from Minimum Equipment Needs for Resource Engineers' Offices and added GPS unit.

Part 523 - Irrigation

Subpart C - Dams

- AL523.03 - Assistance on Irrigation Projects - Last paragraph added instructions on designing irrigation systems.

Subchapter D - Technology

Part 537 - Environmental Engineering

- AL537.01(c)(1)(d) - Added "and are generally not approved by ADEM" to the first sentence.

Subchapter E - Support Operations

Part 542 - Specifications

Subpart C - Exhibit

AL542.40 - Updated ASTM Standards Index.

Part 545 - Engineering Technical Materials

Subpart A - Development and Distribution

AL545.00(a) - The Alabama Engineering Computer Software Handbook has been cancelled. Refer to Part 506 - Technical Materials, AL506.05(i), Pages AL506-6(3-4). (If there are portions of the Handbook that are of benefit to you, store them separately.)

To view the hyperlinks, go to the eFOTG, [Section I, Engineering References, NEM](#).

The green-sheet hard copies will be sent to you for filing.

Replace:

Pages AL501-12(1-2) dated June 1999 with page dated February 2005.

Page AL501-20(1) dated June 1999 with page dated February 2005.

Page AL503-2(1) dated June 1999 with page dated February 2005.

Page AL504-2(3) remove and discard. Page AL503-2(4) is now AL503-2(2).

Page AL503-12(1 - 10) dated April 2000, March 2004, September 2003, and January 2004 respectively with pages dated February 2005 (NOTE: Pages AL503-12(3 and 4) were skipped intentionally.)

Page AL504-2(1) dated June 1999 with page dated February 2005.

Page AL504-8(1 and 3) dated June 1999 with page dated February 2005.

Page AL506-6 (1-7) dated June 2000 with pages dated February 2005.

Page AL512-12(1) dated January 2000 with page dated February 2005.

Page AL512-20(1) dated April 2000 with page dated February 2005.

Page AL512-22(1) dated January 2000 with page dated February 2005.

Page AL512-26(1) dated April 2000 with page dated February 2005.

Page AL523-2(1) dated January 2000 with page dated February 2005.

Page AL537-2(2) dated April 2000 with page dated February 2005.

Pages AL542-6(1-22) dated October 2002 with page dated February 2005.

Page AL545-2(1) dated January 2000. Remove and discard this page. Information moved to Pages AL506-6(3-4).

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DIST: All Engineers

FO

ASTC's for Field Operations

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